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(12) **United States Plant Patent**
Lewis et al.

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(54) **CANNABIS PLANT NAMED ‘BIHEMP 050924’**

CPC ... A01H 5/12; A01H 5/02; A01H 5/00; A01H 6/28; A01H 6/00

(50) Latin Name: ***Cannabis* hybrid**
Varietal Denomination: **BIHEMP 050924**

See application file for complete search history.

(71) Applicant: **Biotech Institute, LLC**, Westlake Village, CA (US)

(56) **References Cited**

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(72) Inventors: **Mark Anthony Lewis**, Westlake Village, CA (US); **Steven Robert Haba**, Westlake Village, CA (US)

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(21) Appl. No.: **15/999,236**

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(22) Filed: **Aug. 28, 2018**

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(65) **Prior Publication Data**

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Related U.S. Application Data

(60) Provisional application No. 62/596,561, filed on Dec. 8, 2017.

(57) **ABSTRACT**

(51) **Int. Cl.**
A01H 5/02 (2018.01)
A01H 6/28 (2018.01)
A61K 36/185 (2006.01)

The present invention provides a new and distinct *cannabis* cultivar designated as ‘BIHEMP 050924.’ Disclosed herein are main terpenes of ‘BIHEMP 050924,’ which are beta-caryophyllene, limonene, alpha-humulene, linalool, myrcene, trans-ocimene, beta-pinene, fenchol, and alpha-terpineol. Also, the present invention provides the estimated concentration of the THC_{max}, CBD_{max}, and CBG_{max} about 0.21-0.43%, about 5.02-10.86%, and about 0.10-0.72%, respectively, at the time of assaying metabolites from flower samples of ‘BIHEMP 050924.’

(52) **U.S. Cl.**
USPC **Plt./258**
CPC **A01H 6/28** (2018.05); **A61K 36/185** (2013.01)

(58) **Field of Classification Search**
USPC Plt./258, 263.1

7 Drawing Sheets

1

2

Latin name of genus and species: *Cannabis* hybrid.
Variety denomination: ‘BIHEMP 050924’.

TAXONOMY AND NOMENCLATURE

BACKGROUND OF THE INVENTION

The present invention relates to a new and distinct *cannabis* cultivar designated as ‘BIHEMP 050924’.

This new cultivar is the result of controlled-crosses between proprietary cultivars made by the inventors. The new cultivar of ‘BIHEMP 050924’ was asexually reproduced via a stem ‘cutting’ and ‘cloning’ method by the inventors at Salinas, Calif. Asexual clones from the original source have been tested in greenhouses, nurseries, and/or fields. The properties of each cultivar were found to be transmissible by such asexual reproduction. The cultivar is stable and reproduces true to type in successive generations of asexual reproduction.

Cannabis, more commonly known as marijuana, is a genus of flowering plants that includes at least three species, *Cannabis sativa*, *Cannabis indica*, and *Cannabis ruderalis* as determined by plant phenotypes and secondary metabolite profiles. In practice however, *cannabis* nomenclature is often used incorrectly or interchangeably. *Cannabis* literature can be found referring to all *cannabis* varieties as “*sativas*” or all cannabinoid producing plants as “*indicas*”. Indeed the promiscuous crosses of indoor *cannabis* breeding programs have made it difficult to distinguish varieties, with most *cannabis* being sold in the United States having features of both *sativa* and *indica* species.

Human cultivation history of *Cannabis* dates back 8000 years (Schultes, R E., 1970, Random thoughts and queries on the botany of *Cannabis*. Pages 11-38 in: CRB Joyce, and S H Curry eds., THE BOTANY AND CHEMISTRY OF